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Imagery analysis report

Major Test Facility Modifications at Moskva Solid Motor Production Plant Lyubertsy, USSR (S)

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**MAJOR TEST FACILITY MODIFICATIONS AT MOSKVA SOLID
MOTOR PRODUCTION PLANT LYUBERTSY, USSR (S)**

1. (S/D) Significant modifications and construction at Moskva Solid Motor Production Plant Lyubertsy [] USSR, indicate that a major new test program is planned for this facility. The new activity was observed on imagery of [] and is centered around horizontal test cell 1 (item 1, Figure 1) and the suspect magnetohydrodynamic (MHD) facility (item 2). Most of this activity has occurred since January 1980.
2. (S/D) A pipeline (item 3), [] in diameter and 150 meters long, was under construction at test cell 1. It consists of at least 13 sections, each [] long. The pipe extends along the blast apron and connects the test cell building with a small new building (item 4) under construction in front of the

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existing blast deflector. The small new building, which measures about 20 by 13 by 4 meters, was only partially roofed on [redacted]. An underground linear conduit about [redacted] wide was being constructed for a distance of about 175 meters (item 5). It will connect the small new building with a larger new building (item 6) adjacent to the probable water storage/treatment facility (item 7) that serves the suspect MHD facility. The larger building, which appeared to be externally complete on [redacted] has a main section measuring about 19 by 13 by 10 meters, and a side section about 19 by 8 by 5 meters. The roof was removed from one (item 8) of the four existing buildings adjacent to test cell 1, and a new hexagonal possible foundation (item 9) was adjacent to the new pipeline.

3. (S/D) At the suspect MHD facility, an [redacted] structure (item 10) was under construction adjacent to the exhaust duct that connects the suspect MHD test building with the probable cyclone separator (item 11). New roads were being constructed to connect the suspect MHD facility with the new buildings.

4. (S/D) Other construction activity was observed throughout the plant (Figure 2). Footings approximately 88 meters long and 24 meters wide (item 12) were observed at the northern edge of the plant

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near three buildings under construction (items 13, 14, and 15). A 73- by 18-meter probable laboratory/test building (item 16), containing at least ten test cells, remained under construction.

5. (S/D) The modifications and construction at the Lyubertsy plant are apparently related to research and development. However, the specific function of the new program could not be identified at this stage of development.

(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, [redacted]

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